THE INTEGRATE-HTA MODEL
For a comprehensive and integrated assessment of complex health technologies

Purpose of the INTEGRATE-HTA Model
- Offer direction on integration of multiple aspects relevant for the assessment of complex technologies
- Definition of dimensions of information that need to be integrated in HTA
- Present methods of integration and how to choose between different methods to integrate different dimensions
- Address the different information needs of relevant stakeholders (such as patients, physicians or decision-makers)

INTEGRATE-HTA Model for an integrated assessment of complex technologies

Step 1: HTA Objective and Technology
- Decision-making tools, HTA commissioning agency
- Selection of themes for assessment e.g. patient care
- Definition of current requirements of the decision-making body
- Definition of relevant issues and assessment criteria regarding the assessment theme (e.g. outcomes, continuity)

Step 2: Logic Model to define evidence needs
- Create logic model architecture and attributes for specific technologies according to a system-based logic model template
- Create initial logic model regarding the theme e.g. patient care based on the data from Step 1
- Literature review, SAP consultations
- Refinement of A,B,C,D,E:
  - Definitions of specific technologies
  - Relevant issues
  - Outcome geometry
  - Relevant patient characteristics
  - Decision analysis
  - Context and implementation issues

Step 3: Evidence assessment
- Specific requirements and evidence needs according to the specific logic model, context, implementation and patient groups (e.g. decision-making horizons, relevant issues)
- Evidence collection for all assessed aspects (effectiveness, resources, usefulness, legal, cultural, and social aspects, relevant issues)
- Literature review, SAP consultations
- Assessment of evidence according to the specific assessment methods

Step 4: Mapping the evidence
- Evidence summaries about different assessment aspects (e.g. effectiveness, ethics)
- Integration of the assessment results (effectiveness, ethics) into a final logic model
- Complementing evidence summary by further evaluation of the extent of relevant aspects (e.g. effectiveness, ethics)
- Deliberative reflections of stakeholders/technicians about unaccounted issues / uncertainties / limitations of the assessment process (steps 1 – 4)

Step 5: HTA decision-making
- Presentation of HTA results obtained from steps 3 and 4 to a decision committee comprising stakeholders and decision-makers
- Selecting a decision to be made in cooperation with the decision committee
- Deliberative reflections of stakeholders/technicians about unaccounted issues / uncertainties / limitations of the assessment process (steps 1 – 4)

Added value of INTEGRATE-HTA Model
- Description of a structured process for HTAs of complex technologies taking all relevant aspects into account
- Uses tools such as Stakeholder Advisory Panels to structure evidence according to perspectives of relevant stakeholders
- Visualises the relationships between intervention, patient characteristics, and context by an extended logic model
- Serves transparent and comprehensive outputs to assist health policy makers in making deliberative decisions